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ASCOMYCETES AND LOWER FUNGI—FASCICLE II

GUY WEST WILSON AND FRED JAY SEAVER

26. ALBUGO BLITI (Biv.) Kuntze, Rev. Gen. Pl. **2**: 658. 1891

Uredo bliti Biv. Stirp. Rar. Sicilia **3**: 11. 1815.

On *Amaranthus retroflexus* L. Lapel, Ind., August 22, 1907. G. W. W.

27. ALBUGO BLITI (Biv.) Kuntze

On *Amaranthus spinosus* L. Carmel, Ind., August 29, 1907. G. W. W.

28. ALBUGO PORTULACAE (DC.) Kuntze, Rev. Gen. Pl. **2**: 658. 1891

Uredo Portulacae DC. Fl. France **5**: 88. 1815.

On *Portulaca oleracea* L. Lapel, Ind., August 22, 1907. G. W. W.

29. BASIDIOPHORA KELLERMANII (Ellis & Halsted) G. W. Wilson, Bull. Torrey Club **34**: 349. 1907

Peronospora Kellermanii Ellis & Halsted, *pro tem.;* Ellis & Everh. N. Am. Fungi *2201*. 1889. (hyponym.)

Plasmopora Kellermanii Swingle; Sacc. Syll. Fung. **9**: 342. 1891.

On leaves of *Iva xanthiifolia* (Fres.) Nutt.; Sykeston, N. Dak., summer, 1907. F. J. S.

While of a rather restricted range this species appears to be abundant in the territory which it infests, and is probably coextensive in range with its host.

30. BLITRYDIUM FENESTRATUM (Cooke & Peck) Sacc. Syll. Fung. **8**: 805. 1899

Patellaria fenestrata Cooke & Peck; Peck, Ann. Rep. N. Y. State Mus. **28**: 68. 1876.

Fargo, N. Dak., August, 1907. F. J. S.

This species is rather common in the above locality on dead twigs of *Populus tremuloides* Michx.

31. FUSICOCCUM CASTANEUM (Sacc.) Sacc. Syll. Fung. **3**: 249. 1884

Cytispora Castanea Sacc. Michelia **1**: 519. 1879.

On dead branches of *Castanea dentata* (Marsh.) Borkh., New York City, March, 1907. G. W. W.

This fungus was nowhere observed except on the immature twigs of a large branch which had been broken from a chestnut tree during a storm of the preceding summer.

32. GIBBERELLA PULICARIS (Fries) Sacc. Michelia **1**: 43. 1876

Sphaeria pulicaris Fries, Syst. Myc. **2**: 417. 1823.

On old stalks of *Zea Mays* L., Mount Pleasant, Iowa, summer, 1907. F. J. S.

33. HYPODERMA AQUILINA (Fries) Rehm, Ber. Naturh. Ver. Augsburg **26**: 68. 1881

Sphaeria aquilina Fries, Syst. Myc. **2**: 522. 1823.

On old leaf-stems of *Onoclea sensibilis* L., New York City, spring, 1907. F. J. S.

34. *Hypomyces Lactifluorum* (Schw.) Tul. Sel. Fung. Carp. **2**: 63. 1865

Sphaeria Lactifluorum Schw. Schr. Nat. Ges. Leipzig **1**: (30). 1822.

On some species of *Lactaria,* Fargo, N. Dak., summer, 1907. F. J. S.

Numerous specimens of the host were collected in woods near Fargo all of which were entirely parasitized by the fungus so that the gills were entirely eliminated.

35. HYPOMYCES POLYPORINUS Peck, Ann. Rep. State Mus. **26**: 84. 1874

On *Coriolus versicolor* (L.) Quel. = *Polyporus versicolor* (L.) Fries, Fargo, N. Dak., summer, 1907. F. J. S.

The present species was found in considerable quantity during the past season on old sporophores of the host. The specimens have been compared with authentic material received from Professor Peck and conform well.

36. HYSTEROGRAPHIUM FRAXINI (Pers.) de Not. Disp. Pirenom. Ister. 22. 1847

Hysterium Fraxini Pers. Syn. Meth. Fung. 100. 1801.

On dead twigs of *Fraxinus,* Sykeston, N. Dak., July, 1907. F. J. S.

This fungus is very abundant on dead twigs of ash wherever the later occurs in considerable numbers.

37. MASSARIA INQUINANS (Tode) Fries, Summa Veg. Scand. 396. 1849

Sphaeria inquinans Tode, Fungi Meckl. **2**: 17. *pl. 10, f. 85.* 1791.

On *Viburnum dentatum* L., The Bronx, New York City, spring, 1907. F. J. S.

The perithecia are very large and buried with the ostiola extending through the bark. The spores spread over the surface of the bark and are so large that with the hand lens they appear as coarse shining granules. The species is distinguished by the large size of its spores.

38. MITRULA PHALLOIDES (Bull.) Chev. Fl. Paris **1**: 114. 1826

Clavaria phalloides Bull. Herb. France. *pl. 463. f. 3.* 1791.

On decaying leaves submerged in water in a swamp, New York City, spring, 1907. F. J. S.

39. MOLLISIA CINEREA (Batsch) Karst. Myc. Fenn. **1**: 189. 1871

Peziza cinerea Batsch, Elench. Fung. Cont. **1**: 197. 1786.

On herbaceous stems in swampy place, New York City, spring, 1907. F. J. S.

40. PERONOSPORA EFFUSA Rabenh. Herb. Myc. ed. I. 1880

On *Chenopodium album* L., Greencastle, Ind., August 3, 1907. G. W. W.

The bright yellow epiphyllous discolorations of this fungus were very conspicuous during the late summer in all patches of the host, not only here but in other sections of the state.

41. PHYLITAENA ARCUATA Berk. Grevillea **2**: 100. 1874

On dead stems of *Ambrosia trifida* L., The Bronx, New York City, March, 1907. G. W. W.

This species is rather common in the vicinity of New York on herbaceous stems, but is easily overlooked on account of the inconspicuous habit and the peculiar hypha-like spores which are 25–30 × 1–2 μ.

42. PHYLLACHORA GRAMINIS (Pers.) Fuckel, Symb. Myc. 216. 1869

Sphaeria graminis Pers. Syn. Meth. Fung. 30. 1801.

On leaves of *Elymus canadensis* L., Fargo., N. Dak., autumn, 1907. F. J. S.

43. PHYLLOSTICTA SMILACIS Ellis and Everh. Bull. Torrey Club **27**: 572. 1900

On *Smilax rotundifolia* L., The Bronx, New York City, September, 1906. G. W. W.

The synonymy of this species is very much involved and the fungus apparently very poorly understood.

44. PROPOLIS FAGINEA (Schrad.) Karst, Myc. Fenn. **1**: 244. 1871

Hysterium fagineum Schrad. Jour. Bot. **2**: 68. 1799.

On decaying wood, Fargo, N. Dak., August, 1907. F. J. S.

45. RHYSOTHECA HALSTEDII (Farl.) G. W. Wilson, Torrey Club **34**: 403. 1907

Peronospora Halstedii Farl.; Ellis, N. Am. Fungi *209*. 1879 (hyponym). Proc. Am. Acad. **18**: 72. 1883.

On leaves of *Bidens frondosa* L., Noblesville, Ind., August 24, 1907. G. W. W.

During the latter part of the summer it was almost impossible to find a plant of this host which was unaffected with the fungus.

46. SAPROLEGNIA FERAX (Gruith.) Nees, Nova Acta Acad. Leop. **11**^{2}: 513. 1823

Conferva ferax Gruith. Nova Acta Acad. Leop. 1821.

On dead fish, New York City, spring, 1907. G. W. W.

This species is reported as common in the vicinity of New York City on fish of various species.

47. SPHAEROPSIS LINDERAE Peck, Ann. Rep. N. Y. State Mus. **39**: 45. 1896

On dead branches of *Benzoin Benzoin* (L.) Coulter, Westchester Co., N. Y., March, 1907. G. W. W.

The fungus infests the younger branches, which appear to have been killed by the mycelium of the fungus, while the sporangia develop saprophytically.

48. SPHAEROPSIS MENISPERMI Peck, Ann. Rep. N. Y. State Mus. **24**: 86. 1886

On recently dead vines of *Menispermum canadensis* L., First Mt., Orange, N. J., September 26, 1906. G. W. W.

This species, which is similar in habit to the preceding, was frequently observed in the vicinity of New York City.

49. SPHAEROPSIS SMILACIS Ellis & Everh. Jour. Myc. **5**: 149. 1899

On dead stems of *Smilax rotundifolia* L., The Bronx, New York City, March 22, 1907. G. W. W.

Not common and usually associated with other imperfect fungi.

50. TRICHOPEZIZA TILIAE (Peck) Sacc. Syll. Fung. **8**: 428. 1889

Peziza Tiliae Peck, Ann. Rep. N. Y. State Mus. **24**: 96. 1886.

Abundant on dead branches of *Tilia americana* L., Fargo, N. Dak., summer, 1907. F. J. S.